INSTITUT TEHNIČKIH NAUKA SANU
Knez Mihailova 35/IV
11000 Beograd

NAUČNOM VEĆU INSTITUTA TEHNIČKIH NAUKA SANU

Predmet: Molba za pokretanje postupka za izbor u naučno zvanje

Molim da Naučno veće Instituta tehničkih nauka SANU, u skladu sa Pravilnikom o postupku i načinu vrednovanja i kvantitativnom iskazivanju naučnoistraživačkih rezultata istraživača (Sl. glasnik RS, 24/2016) pokrene postupak mog izbora u zvanje naučni saradnik. .

Za članove komisije za pripremu izveštaja Naučnom veću predlažem:

- dr Smilja Marković, viši naučni saradnik Instituta tehničkih nauka SANU, Beograd
- dr Dragana Jugović, viši naučni saradnik Instituta tehničkih nauka SANU, Beograd
- dr Lidija Mančić, naučni savetnik Instituta tehničkih nauka SANU, Beograd
- dr Miodrag Mitrić, naučni savetnik Instituta za nuklearne nauke Vinča

U prilogu dostavljam:

1. biografiju

2. bibliografiju sa elektronskom verzijom radova objavljenih u međunarodnim časopisima, kao i saopštenja sa međunarodnih i domaćih konferencija

3. Izveštaj o citiranosti

3. Fotokopiju potvrde o sticanju zvanja doktora fizičkohemijskih nauka

U Beogradu 20.10. 2016:

Podnosilac zahteva:

Lj. Veselinović

dr Ljiljana Veselinović, dipl. Inž. geol.
Istraživač saradnik ITN SANU

Biografija sa bibliografijom dr Ljiljane Veselinović

Ljiljana Veselinović (devojačko Kandić) rođena je 23.12.1975. u Smederevu, Srbija. Osnovne studije na Rudarsko-geološkom fakultetu, smer za mineralogiju i kristalografiju upisala je školske 1994/95. godine. Diplomski rad pod nazivom *„Kvantitativna rendgenska analiza smeša magnetita, hematita i fluorita Ritveldovom metodom*“ odbranila je 2002. godine. Magistrirala je na istom fakultetu 2010. godine sa temom *„Rendgenska analiza nanostrukturnih prahova kalcijum fosfata dobijenih novim postupcima sinteze*“ čime je stekla zvanje magistra tehničkih nauka. Doktorsku disertaciju pod nazivom *„Kristalna struktura i električne karakteristike* $BaTi_{1-x}Sn_xO_3$ *i* $CaCu_3Ti_{4-x}Ru_xO_{12}$ *perovskitnih materijala”*, odbranila je u septembru 2016. godine na Fakultetu za fizičku hemiju Univerziteta u Beogradu.

U Institutu tehničkih nauka Srpske akademije nauka i umetnosti zaposlena je od maja 2005. godine.

Oblasti interesovanja: rendgenska strukturna analiza polikristalnih materijala, struktura materijala sa perovskitskim tipom strukture, struktura kalcijum fosfatnih materijala.

M21a (10.0): Rad u međunarodnom časopisu izuzetnih vrednosti

1. S. Marković, Č. Jovalekić, Lj. Veselinović, S. Mentus and D. Uskoković, “Electrical properties of barium titanate stannate functionally graded materials”, *J. European Ceramic society* vol. 30, no. 6 (2010) 1427-1435. Impact factor (IF): **2.575, (2010.)**. Kategorije: Materials Science, Ceramics (1/26).

   (doi:10.1016/j.jeurceramsoc.2009.10.020.)

M21 (8.0): Rad u vrhunskom međunarodnom časopisu:

1. Ljiljana Veselinović, Ljiljana Karanović, Zoran Stojanović, Ines Bračko, Smilja Marković, Nenad Ignjatović, Dragan Uskoković, “Crystal Structure of Cobalt-Substituted Calcium Hydroxyapatite Nano-Powders Prepared by Hydrothermal Processing”, *J. Applied Crystallography*, 43, 2 (2010) 320-327. Impact factor (IF): **3.794, (2010.)**. Kategorije: Kristalografija (7/25).

   (doi:10.1107/S0021889809051395.)

2. A. Stanković, Lj. Veselinović, S. D. Škapin, S. Marković and D. Uskoković, Controlled mechanochemically assisted synthesis of ZnO nanopowders in the presence of oxalic acid, *Journal of Materials Science*, 46, 11 (2011) 3716-3724. Impact factor (IF): **2.015, (2011.)**. Materials Science, Multidisciplinary (60/232).

   (doi: 10.1007/s10853-011-5273-6)

3. M.J. Lukić, Lj. Veselinović, Z. Stojanović, M. Maček-Kržmanc, I. Bračko, S.D. Škapin, S. Marković, S. D. Uskoković, Peculiarities in sintering behavior of Ca-deficient hydroxyapatite nanopowders, *Materials Letters* 68 (2012) 331-335. Impact factor (IF): **2.224, (2012.)**. Kategorije: Materials Science, Multidisciplinary (56/241).

   (doi:10.1016/j.matlet.2011.10.085)

4. M. J. Lukić, Lj. Veselinović, M. Stevanović, J. Nunić, G. Dražič, S. Marković, D. Uskoković, "Hydroxyapatite nanopowders prepared in the presence of zirconium ions", *Materials Letters* 122 (2014) 296–300. Impact factor (IF): **2.489, (2014.)**. Kategorije: Materials Science, Multidisciplinary (60/260).

   (http://dx.doi.org/10.1016/j.matlet.2014.02.072)

5. Lj. Veselinović, M. Mitrić, L. Mančić, M. Vukomanović, B. Hadžić, S. Marković, D. Uskoković, "The effect of Sn for Ti substitution on the average and local crystal structure of $BaTi_{1-x}Sn_xO_3$ ($0 \leq x \geq 0.20$)", *Journal of Applied Crystallography*, 47, 3 (2014) 999-1007. Impact factor (IF): **3.984, (2014.)**. Kategorije: Kristalografija (3/23).

   (http://dx.doi.org/10.1107/S1600576714007584

6. S. Marković, V. Rajić, A. Stanković, Lj. Veselinović, J. Belošević-Čavor, K. Batalović, N. Abazović, S.D. Škapin, D. Uskoković, "Effect of PEO molecular weight on sunlight induced photocatalytic activity of ZnO/PEO composites", *Solar Energy*, 127 (2016) 124-135. Impact factor (IF): **3.685, (2015.)**. Kategorije: Energy & Fuels (22/88).

   (http://dx.doi.org/10.1016/j.solener.2016.01.026)

7. Ž. Janićijević, M. J. Lukić, Lj. Veselinović, "Alternating current electric field modified synthesis of hydroxyapatite bioceramics", *Materials & Design*, 109 (2016) 511–519. Impact factor (IF): **3.997, (2015.)**. Kategorije: Materials Science, Multidisciplinary (44/271).

   (http://dx.doi.org/10.1016/j.matdes.2016.07.061)

8. Ljiljana Veselinović, Miodrag Mitrić, Maxim Avdeev, Smilja Marković, Dragan Uskoković, "New insights into $BaTi_{1-x}Sn_xO_3$ ($0 \leq x \leq 0.20$) crystal structure based on refinement of NPD data" *Journal of Applied Crystallography*, 49 (2016) 1726–1733. Impact factor (IF): **2.570, (2015.)**. Kategorije: Kristalografija (7/26).

   (doi:10.1107/S1600576716013157)

M22 (5.0): Rad u istaknutom međunarodnom časopisu:

1. Z. Stojanovic, Lj. Veselinovic, S. Markovic, N. Ignjatovic, D. Uskokovic, "Hydrothermal Synthesis of Nanosize Pure and Cobalt-exchanged Hydroxyapatite", *Materials and Manufacturing Processes*, vol. 24, no. 10-11 (2009) 1096-1103. Impact factor (IF): **0.968**, (**2009.**). Kategorije: Materials Science, Multidisciplinary (119/214).

   (doi: 10.1080/10426910903032113.)

2. S. Marković, Lj. Veselinović, M. Lukić, Lj. Karanović, I. Bračko, N. Ignjatović, D. Uskoković, Synthetical bone-like and biological hydroxyapatites: a comparative study of crystal structure and morphology, *Biomedical Materials* 6 (2011) 045005. Impact factor (IF): **2.158**, (**2011.**). Kategorije: Materials Science, Biomaterials (14/25).

   (doi: 10.1088/1748-6041/6/4/045005.)

3. A. Stanković, Z. Stojanović, Lj. Veselinović, S. D. Škapin, I. Bračko, S. Marković, D. Uskoković, "ZnOmicro and nanocrystals with enhanced visible light absorption, *Materials Science and Engineering B* 177, 13 (2012) 1038-1045. Impact factor (IF): **1.846**, (**2012.**). Kategorije: Kristalografija (95/232).

   (http://dx.doi.org/10.1016/j.mseb.2012.05.013)

4. Z. S. Stojanović, N. Ignjatović, V. Wu, V. Žunič, Lj. Veselinović, S. Škapin, M. Miljković, V. Uskoković, D. Uskoković,"Hydrothermally processed 1D hydroxyapatite: Mechanism of formation and biocompatibility studies", *Materials Science and Engineering*: C 68 (2016) 746–757. Impact factor (IF): **3.420**, (**2015.**). Kategorije: Materials Science, Biomaterials (12/33).

   (http://dx.doi.org/10.1016/j.msec.2016.06.047.)

M 23 (3.0): Radovi u međunarodnim časopisima

1. Lj. Kandić, M. Mitrić, N. Ignjatović, D. P. Uskoković , "XRD analysis of calcium phosphate and biocomposite calcium phosphate/bioresorbable polymer", *Materials Scence Forum*, 518 (2006) 507-512. Impact factor (IF): **0.399**, (**2005.**). Kategorije: Materials science, Multidisciplinary (137/178).

   (10.4028/www.scientific.net/MSF.518.507)

2. A. Čeliković, Lj. Kandić, M. Zdujić, D. Uskoković, "Synthesis of ZnO and ZrO2 powders by mechanochemical processing", *Materials Scence Forum* 555 (**2007**) 279-284. Impact factor (IF): **0.399**, (2005.). Kategorije: Materials science, Multidisciplinary (137/178).

   (10.4028/www.scientific.net/MSF.555.279)

3. Lj. Kandic, K. Marinkovic, L. Mancic, G. del Rosario, O. Milosevic, "Low temperature aerosol synthesis of YAG:Ce3+ nanostructures: comparative study of the XRPD micro structural parameters", *Materials Science Forum*, Vol.555

(**2007**) 395-400. Impact factor (IF): **0.399**, (2005.). Kategorije: Materials science, Multidisciplinary (137/178).

(10.4028/www.scientific.net/MSF.555.395)

M 33 (1.0): Saopštenje sa međunarodnog skupa štampano u celini:

1. S. Marković, Lj. Veselinović and D. Uskoković, FTIR Study of Biological Hydroxyapatite, 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2010, Proceedings, pp. 75-77.

   (http://www.socphyschemserb.org/en/events/pc2010.)

2. Stanković, Z. Stojanović, Lj. Veselinović, S. Marković, and D. Uskoković, Controlled Hydrothermal Processing of ZnO Powders in the Presence of PVP, 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2012, Proceedings, pp. 431-433.

   (http://www.socphyschemserb.org/en/events/pc2012.)

3. S. Marković, A. Stanković, Lj. Veselinović, S. Stojadinović, J. Dostanić, S. Škapin i D. Uskoković, "Optical and photocatalytical properties of ZnO:SnO_2 composite" 13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2016., Proceedings, pp. 219-222

   (http://www.socphyschemserb.org/en/events/pc2016.)

M 34 (0.5): Saopštenje sa međunarodnog skupa štampano u izvodu:

1. Lj. Kandić, M. Mitrić and N. Ignjatović: XRD Analysis of Calcium Phosphate and Biocomposite Calcium Phosphate/Bioresorbable Polymer, The Seventh Yugoslav Materials Research Society Conference YUCOMAT (2005), Book of Abstracts, p. 161.

   (http://www.mrs-serbia.org.rs/images/2005-1.pdf)

2. M. Stevanović, T. Maksim, Lj. Veselinović, D. Uskoković: Preparation of 99mTc-PLGA and its distribution studies, The Tenth Yugoslav Materials Research Society Conference YUCOMAT (2008), Book of Abstracts, p. 155.

   (http://www.mrs-serbia.org.rs/images/2008-1.pdf)

4. Z. Stojanović, Lj. Veselinović, S. Marković, N. Ignjatović, D. Uskoković: Hydrothermal synthesis of cobalt-exchanged hydroxyapatite nanoparticles, The Tenth Yugoslav Materials Research Society Conference YUCOMAT (2008), Book of Abstracts, p. 159.

   (http://www.mrs-serbia.org.rs/images/2008-1.pdf)

5. Lj. Veselinović, Z. Stojanović, S. Marković, N. Ignjatović, D. Uskoković: Preparation of 99mTc-PLGA and its distribution studies, The Tenth Yugoslav Materials Research Society Conference YUCOMAT (2008), Book of Abstracts, p. 160.

   (http://www.mrs-serbia.org.rs/images/2008-1.pdf)

6. M. Jović, Z. Stojanović, Lj. Veselinović, D. Uskoković: Hydrothermal synthesis of LiFePO4 powders as cathode material for Li-ion batteries, The Eleventh Yugoslav Materials Research Society Conference YUCOMAT (2009), 31. August-4. September, Herceg Novi. Poster

   (http://www.mrs-serbia.org.rs/images/2009-1.pdf)

7. A. Stanković, Lj. Veselinović, D. Uskoković: Mechanochemical synthesis of ZnO nanostructured powder using a different organic surfactants and its influence on the particles size and morfology, The Eleventh Yugoslav Materials Research Society Conference YUCOMAT (2009), 31. August-4. September, Herceg Novi. Poster

   (http://www.mrs-serbia.org.rs/images/2009-1.pdf)

8. Lj. Veselinović, Lj. Karanović, S. Marković, N. Ignjatović, D. Uskoković: Structural and microstructural analysis of human alveolar bone using x-ray powder diffraction and Raman spectroscopy, The Eleventh Yugoslav Materials Research Society Conference YUCOMAT (2009), 31. August-4. September, Herceg Novi. Poster.

   (http://www.mrs-serbia.org.rs/images/2009-1.pdf)

9. Lj. Veselinović, M. Mitrić, S. Marković, D. Uskoković: XRD and vibrational spectroscopy investigation of BaTi1−xSnxO3 solid solution, The Twelfth YUCOMAT Conference (2010), 6-10. September, Herceg Novi. Poster.

   (http://www.mrs-serbia.org.rs/images/2010-1.pdf)

10. Lj. Veselinović, S. Marković, M. Lukić, D. Uskoković: THE XRD analysis of the calcium phosphates phase composition depending on the powder synthesis methods and heating rates, The Twelfth YUCOMAT Conference (2010), 6-10. September, Herceg Novi. Poster

    (http://www.mrs-serbia.org.rs/images/2010-1.pdf)

11. Z. Stojanović, Lj. Veselinović, S. Marković, D. Uskoković: Synthesis procedure of the preparation of CaCu3Ti4O12, The Twelfth YUCOMAT Conference (2010), 6-10. September, Herceg Novi. Poster.

(http://www.mrs-serbia.org.rs/images/2010-1.pdf)

12.. M.J. Lukić, Z. Stojanović, Lj. Veselinović, S. Marković, D. Uskoković:Influence of heating rate on two-step sintering behavior of different hydroxyapatite nanopowders, The Twelfth YUCOMAT Conference (2010), 6-10. September, Herceg Novi. Poster

(http://www.mrs-serbia.org.rs/images/2010-1.pdf)

13. I. Savanović, M. Stevanović, Z. Stojanović, Lj. Veselinović, D. Uskoković: PGA capped silver nanoparticles for biomedical application, The Twelfth YUCOMAT Conference (2010), 6-10. September, Herceg Novi. Poster.

(http://www.mrs-serbia.org.rs/images/2010-1.pdf)

14. Z. Stojanović, M. Lukić, Lj. Veselinović, S. Marković, D. Uskoković, Hydrothermal Synthesis of Zirconium Substituted Hydroxyapatite, Thirteenth Annual Conference, YUCOMAT 2011, Herceg Novi, Montenegro, September 5 – 9, 2011, Book of Abstracts, p. 74. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2011-1.pdf)

15. M.J. Lukić, A. Stanković, Lj. Veselinović, S. D. Škapin, I. Bračko, S. Marković, D. Uskoković, Chemical Precipitation Synthesis and Characterization of Zr-doped Hydroxyapatite Nanopowders, Thirteenth Annual Conference, YUCOMAT 2011, Herceg Novi, Montenegro, September 5 – 9, 2011, Book of Abstracts, p. 89. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2011-1.pdf)

16. Lj. Veselinović, M. Mitrić, M. Vukomanović, S. Marković, D. Uskoković, Rietveld Refinement of Barium Titanate Stannate Crystal Structure, Thirteenth Annual Conference, YUCOMAT 2011, Herceg Novi, Montenegro, September 5 – 9, 2011, Book of Abstracts, p. 136. (Постерска презентација)

(http://www.mrs-serbia.org.rs/images/2011-1.pdf)

17. A. Stanković, Lj. Veselinović, S. Marković, S. Dimitrijević, S. Skapin, D. Uskoković, Hydrothermal Synthesis of ZnO Nanostructures with Different Morphologies and their Antimicrobial Activity Against Escherihia coli and Staphylococus aureus Bacterial Cultures, Thirteenth Annual Conference,

YUCOMAT 2011, Herceg Novi, Montenegro, September 5 – 9, 2011, Book of Abstracts, p. 166. (Постерска презентација)

(http://www.mrs-serbia.org.rs/images/2011-1.pdf)

18. M.J. Lukić, A. Stanković, Lj. Veselinović, S.D. Škapin, S. Marković, D. Uskoković, Mechanochemically-assisted Synthesis and Characterization of Zr-doped Hydroxyapatite Nanopowders, VII International Conference on Mechanochemistry and Mechanical Alloying, INCOME 2011, Herceg Novi, Montenegro, August 31 – September 3, 2011, Book of Abstracts, p. 93. (Постерска презентација)

(http://www.mrs-serbia.org.rs/images/2011-1.pdf)

19. A. Stanković, Z. Stojanović, Lj. Veselinović, I. Bračko, S. Škapin, S. Marković, D. Uskoković, Hydrothermal Synthesis of ZnO powders with a tailored particle morphology and improved optical characteristics, Fourteenth Annual Conference, YUCOMAT 2012, Herceg Novi, Montenegro, September 3 – 7, 2012, Book of Abstracts, p. 47. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2012-1.pdf)

20. M.J. Lukić, Lj. Veselinović, S. Marković, D. Uskoković, Sinergistic effect of hydroxyapatite nanopowders` high crystallinity and non orderd particles boundary regions on low-temperature sintering, Fourteenth Annual Conference, YUCOMAT 2012, Herceg Novi, Montenegro, September 3 – 7, 2012, Book of Abstracts, p. 75. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2012-1.pdf)

21. Z. Stojanović, Lj. Veselinović, N. Ignjatović, Miroslav Miljkovic D. Uskoković, The Hydrothermal Synthesis of 1d Biomedical Hydroxyapatite nanostructures, Sixteenth Annual Conference, YUCOMAT 2014, Herceg Novi, Montenegro, September 1 – 5, 2014, Book of Abstracts, p. 63. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2014-1.pdf)

22. Ljiljana Veselinović, S. Marković, M. Lukić, L. Mančić, S. D. Škapin, M. Mitrić, D. Uskoković, The Structural investigation of $CaCu_3B_4O_{12}$(*B*=Ti,Ru). Sixteenth Annual Conference, YUCOMAT 2014, Herceg Novi, Montenegro, September 1 – 5, 2014, Book of Abstracts, p. 67. (Постерска презентација).

(http://www.mrs-serbia.org.rs/images/2014-1.pdf)

M 64 (0.6): Saopštenja sa skupa od nacionalnog značaja štampano u izvodu:

1. A. Čeliković, Lj. Kandić, D. Uskoković, Mehanohemijska sinteza nanostrukturnog ZnO u prisustvu CaCl2 kao inertne matrice, Četvrti seminar mladih istraživača, 2005, zbornik abstrakata, str. 24.

   (http://www.mrs-serbia.org.rs/images/4kmi.pdf)

2. Stanković, Z. Stojanović, Lj. Veselinović, N. Abazović, S.D. Škapin, S. Marković, D. Uskoković, Influence of the particle size and morphology of ZnO powders on their optical properties, The Eleventh Young Researchers' Conference: Materials Science and Engineering, Belgrade, December 3 - 5, 2012, Book of Abstracts, p. 60.

   (http://www.mrs-serbia.org.rs/images/book_of_abstracts.pdf)

3. Miodrag J. Lukić, Ljiljana Veselinović. Srečo Davor Škapin, Marjeta Maček-Kržmanc, Smilja Marković, Dragan Uskoković, DSC-TG-MS study of hydroxyapatite nanopowders, Twelfth Young Researchers Conference – Materials Science and Engineering December 11-13, 2013, Book of Abstracts, p. 35

   (http://www.mrs-serbia.org.rs/images/book_of_abstracts.pdf)

M 72 (3.0): Magistarska teza:

1. Ljiljana Veselinović, **"Rendgenska analiza nanostrukturnih prahova kalcijum fosfata dobijenih novim postupcima sinteze"**

   Rudarsko geološki fakultet 10. maj 2010. godine.

   http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/318

M 71 (6.0): Doktorska disertacija:

1. Ljiljana Veselinović, **"Kristalna struktura i električne karakteristike $BaTi_{1-x}Sn_xO_3$ i $CaCu_3Ti_{4-x}Ru_xO_{12}$ perovskitnih materijala"**

   Fakultet za fičku hemiju 27. septembar 2016. godine.

M 72 Magistarska teza:

1. Ljiljana Veselinović, **"Rendgenska analiza nanostrukturnih prahova kalcijum fosfata dobijenih novim postupcima sinteze"**

   Rudarsko geološki fakultet 10. maj 2010. godine.

   http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/318

M 71 Doktorska disertacija:

1. Ljiljana Veselinović, **"Kristalna struktura i električne karakteristike $BaTi_{1-x}Sn_xO_3$ i $CaCu_3Ti_{4-x}Ru_xO_{12}$ perovskitnih materijala"**

   Fakultet za fičku hemiju 27. septembar 2016. godine.

Izveštaj o citiranosti dr Ljiljane Veselinović

Na dan 14. 10. 2016.

Ukupan broj citata u bazi podataka *Web of Science*: 103; bez autocitata: 96

Ukupan broj citata u bazama podataka *Web of Science* и *Scopus*: 124; bez autocitata: 117

H-indeks: 6

1. Title: Hydrothermal Synthesis of Nanosized Pure and Cobalt-Exchanged Hydroxyapatite
Author(s): Stojanovic, Z; Veselinovic, L; Markovic, S; et al.
Source: Materials and Manufacturing Processes Volume: 24 Issue: 10-11 Pages: 1096-1103
Published: 2009
DOI: 10.1080/10426910903032113

1. In Vitro Evaluation of Nanoscale Hydroxyapatite-Based Bone Reconstructive Materials with Antimicrobial Properties
   By: Ajdukovic, Zorica R.; Mihajilov-Krstev, Tatjana M.; Ignjatovic, Nenad L.; et al.
   JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 16 Issue: 2 Pages: 1420-1428 Published: FEB 2016
2. Influence of bio inert Silica on Mechanical Properties and their dependence on Porosity of Nanocrystalline based Hydroxyapatite/Gelatin Composites synthesized by co-precipitation Method
   By: Kailasanathan, C.; Gangadharan, T.
   JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY Volume: 52 Issue: 2 Pages: 52-61 Published: 2016
3. Cobalt doped proangiogenic hydroxyapatite for bone tissue engineering application
   By: Kulanthaivel, Senthilguru; Roy, Bibhas; Agarwal, Tarun; et al.
   MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 58 Pages: 648-658 Published: JAN 1 2016
4. Synthesis of magnetic hydroxyapatite by hydrothermal-microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies
   By: Chandra, V. Sarath; Elayaraja, Kolanthai; Arul, K. Thanigai; et al.
   CERAMICS INTERNATIONAL Volume: 41 Issue: 10 Pages: 13153-13163 Part: A Published: DEC 2015

5. Effect of Titanium Addition on Thermal Stability of Hydroxyapatite/zirconia Nanocomposite
   By: Wang, L. -I.; Wang, X. -F.; Yu, C. -L.; et al.
   SCIENCE OF SINTERING Volume: 47 Issue: 1 Pages: 107-112 Published: JAN-APR 2015
6. Improving the osteogenic and angiogenic properties of synthetic hydroxyapatite by dual doping of bivalent cobalt and magnesium ion
   By: Kulanthaivel, Senthilguru; Mishra, Upasana; Agarwal, Tarun; et al.
   CERAMICS INTERNATIONAL Volume: 41 Issue: 9 Pages: 11323-11333 Part: A Published: NOV 2015
7. Enhanced Osteogenesis of Nanosized Cobalt-substituted Hydroxyapatite
   By: Ignjatovic, Nenad; Ajdukovic, Zorica; Rajkovic, Jelena; et al.
   JOURNAL OF BIONIC ENGINEERING Volume: 12 Issue: 4 Pages: 604-612 Published: OCT 2015
8. Hydroxyapatite Growth Inhibition Effect of Pellicle Statherin Peptides
   By: Xiao, Y.; Karttunen, M.; Jalkanen, J.; et al.
   JOURNAL OF DENTAL RESEARCH Volume: 94 Issue: 8 Pages: 1106-1112 Published: AUG 2015
9. Investigation of the Crystal Structure, Dielectric, Electrical and Microstructural Properties of Cobalt-containing Calcium Orthophosphates
   By: Kaygili, Omer; Dorozhkin, Sergey V.; Keser, Serhat; et al.
   MATERIALS SCIENCE-MEDZIAGOTYRA Volume: 21 Issue: 2 Pages: 282-287 Published: 2015
10. Synthesis and characterization of cobalt-substituted hydroxyapatite powders
    By: Kramer, Erica; Itzkowitz, Emily; Wei, Mei
    CERAMICS INTERNATIONAL Volume: 40 Issue: 8 Pages: 13471-13480 Part: B Published: SEP 2014
11. Development of amperometric L-tyrosine sensor based on Fe-doped hydroxyapatite nanoparticles
    By: Kanchana, P.; Lavanya, N.; Sekar, C.
    MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 35 Pages: 85-91 Published: FEB 1 2014
12. Dorozhkin SV. Nano-dimensional calcium orthophosphates: Recent developments and future applications. In: Calcium phosphate: Structure, synthesis, properties, and applications. ; 2014. p 121-206. (поглавље у књизи, Scopus)
13. Preparation of HA-Bioglass-Al2O3 Biological Composite
    By: Wang, Li-Li; Wang, Xiu-Feng; Ding, Xu; et al.
    MATERIALS AND MANUFACTURING PROCESSES Volume: 28 Issue: 9 Pages: 980-983 Published: SEP 2 2013
14. Cobalt-doped nanohydroxyapatite: synthesis, characterization, antimicrobial and hemolytic studies
    By: Tank, Kashmira P.; Chudasama, Kiran S.; Thaker, Vrinda S.; et al.
    JOURNAL OF NANOPARTICLE RESEARCH Volume: 15 Issue: 5 Article Number: 1644 Published: MAY 2013
15. Nanoparticles of cobalt-substituted hydroxyapatite in regeneration of mandibular osteoporotic bones
    By: Ignjatovic, Nenad; Ajdukovic, Zorica; Savic, Vojin; et al.
    JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE Volume: 24 Issue: 2 Pages: 343-354 Published: FEB 2013
16. Lee D, Ahn G, Kumta PN. Nano-sized calcium phosphate (CaP) carriers for non-viral Gene/Drug delivery. In: Nanomaterials in drug delivery, imaging, and tissue engineering. ; 2013. p 203-236. (поглавље у књизи, Scopus)
17. Dorozhkin SV. Nanodimensional and nanocrystalline hydroxyapatite and other calcium orthophosphates. In: Hydroxyapatite: Synthesis, properties and applications. ; 2013. p 1-90. (поглавље у књизи, Scopus)
18. Comparative study of hydroxyapatite/gelatin composites reinforced with bio-inert ceramic particles
    By: Kailasanathan, C.; Selvakumar, N.
    CERAMICS INTERNATIONAL Volume: 38 Issue: 5 Pages: 3569-3582 Published: JUL 2012
19. Blood Compatibility of Iron-Doped Nanosize Hydroxyapatite and Its Drug Release
    By: Chandra, V. Sarath; Baskar, Ganga; Suganthi, R. V.; et al.
    ACS APPLIED MATERIALS & INTERFACES Volume: 4 Issue: 3 Pages: 1200-1210 Published: MAR 2012
20. Nano-sized calcium phosphate (CaP) carriers for non-viral gene delivery
    By: Lee, Donghyun; Upadhye, Kalpesh; Kumta, Prashant N.
    MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 177 Issue: 3 Pages: 289-302 Published: FEB 25 2012
21. Microwave Synthesis of Tetragonal Phase CdWO4
    By: Sofronov, D. S.; Sofronova, E. M.; Starikov, V. V.; et al.
    MATERIALS AND MANUFACTURING PROCESSES Volume: 27 Issue: 5 Pages: 490-493 Published: 2012
22. Porous Magnesium-Doped Biphasic Calcium Phosphate Ceramics Prepared via Polymeric Sponge Method
    By: Sopyan, I.; Rahim, T. A.
    MATERIALS AND MANUFACTURING PROCESSES Volume: 27 Issue: 6 Pages: 702-706 Published: 2012

23. Structure and properties of titania reinforced nano-hydroxyapatite/gelatin bio-composites for bone graft materials
By: Kailasanathan, C.; Selvakumar, N.; Naidu, Vasant
CERAMICS INTERNATIONAL Volume: 38 Issue: 1 Pages: 571-579 Published: JAN 2012

24. Hribar G, Žnidaršič A, Maver U. Calcium phosphate as a biomaterial and its use in biomedical applications. In: Phosphates: Sources, properties and applications. ; 2012. p 43-81. (поглавље у књизи, Scopus)

25. Dorozhkin SV. Nano-dimensional calcium orthophosphates: Recent developments and future applications. In: Calcium phosphate: Structure, synthesis, properties, and applications. ; 2012. p 121-206. (поглавље у књизи, Scopus)

26. Dorozhkin SV. Biological and medical significance of nanodimensional and nanocrystalline calcium orthophosphates. In: Biomedical materials and diagnostic devices. ; 2012. p 19-99. (поглавље у књизи, Scopus)

27. Nanosized hydroxyapatite and other calcium phosphates: Chemistry of formation and application as drug and gene delivery agents
By: Uskokovic, Vuk; Uskokovic, Dragan P.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS Volume: 96B Issue: 1 Pages: 152-191 Published: JAN 2011

28. Dense fine-grained biphasic calcium phosphate (BCP) bioceramics designed by two-step sintering
By: Lukic, M.; Stojanovic, Z.; Skapin, S. D.; et al.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 31 Issue: 1-2 Pages: 19-27 Published: JAN-FEB 2011

Аутоцитати

29. Crystal structure of cobalt-substituted calcium hydroxyapatite nanopowders prepared by hydrothermal processing
By: Veselinovic, Ljiljana; Karanovic, Ljiljana; Stojanovic, Zoran; et al.
JOURNAL OF APPLIED CRYSTALLOGRAPHY Volume: 43 Pages: 320-327 Part: 2 Published: APR 2010

2. Title: Crystal structure of cobalt-substituted calcium hydroxyapatite nanopowders prepared by hydrothermal processing

Author(s): Veselinovic, L; Karanovic, L; Stojanovic, Z; et al.
Source: Journal of Applied Crystallography Volume: 43 Pages: 320-327 Published: 2010
DOI: 10.1107/S0021889809051395

1. Chakraborty R, Mukhopadhyay P, Kumar B. Optimal biodiesel-additive synthesis under infrared excitation using pork bone supported-sb catalyst: Engine performance and emission analyses. Energy Convers Manage 2016;126:32-41. Scopus

2. Bakheet MA, Saeed MA, Isa ARBM, Sahnoun R. First principles study of the physical properties of pure and doped calcium phosphate biomaterial for tissue engineering. In: Nanobiomaterials in hard tissue engineering: Applications of nanobiomaterials. ; 2016. p 215-240. (поглавље у књизи, Scopus)

3. Hydroxyapatite substituted by transition metals: experiment and theory
By: Zilm, M. E.; Chen, L.; Sharma, V.; et al.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 24 Pages: 16457-16465 Published: JUN 28 2016

4. Hafnium-doped hydroxyapatite nanoparticles with ionizing radiation for lung cancer treatment
By: Chen, Min-Hua; Hanagata, Nobutaka; Ikoma, Toshiyuki; et al.
ACTA BIOMATERIALIA Volume: 37 Pages: 165-173 Published: JUN 2016

5. In Vitro Evaluation of Nanoscale Hydroxyapatite-Based Bone Reconstructive Materials with Antimicrobial Properties
By: Ajdukovic, Zorica R.; Mihajilov-Krstev, Tatjana M.; Ignjatovic, Nenad L.; et al.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 16 Issue: 2 Pages: 1420-1428 Published: FEB 2016

6. Bioinspired Citrate-Apatite Nanocrystals Doped with Divalent Transition Metal Ions
By: Javier Martinez-Casado, Francisco; Iafisco, Michele; Manuel Delgado-Lopez, Jose; et al.
CRYSTAL GROWTH & DESIGN Volume: 16 Issue: 1 Pages: 145-153 Published: JAN 2016

7. Synthesis of magnetic hydroxyapatite by hydrothermal-microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies

By: Chandra, V. Sarath; Elayaraja, Kolanthai; Arul, K. Thanigai; et al.
CERAMICS INTERNATIONAL Volume: 41 Issue: 10 Pages: 13153-13163 Part: A Published: DEC 2015

8. Enhanced Osteogenesis of Nanosized Cobalt-substituted Hydroxyapatite
By: Ignjatovic, Nenad; Ajdukovic, Zorica; Rajkovic, Jelena; et al.
JOURNAL OF BIONIC ENGINEERING Volume: 12 Issue: 4 Pages: 604-612 Published: OCT 2015
9. Investigation of the Crystal Structure, Dielectric, Electrical and Microstructural Properties of Cobalt-containing Calcium Orthophosphates
By: Kaygili, Omer; Dorozhkin, Sergey V.; Keser, Serhat; et al.
MATERIALS SCIENCE-MEDZIAGOTYRA Volume: 21 Issue: 2 Pages: 282-287 Published: 2015
10. The role of hydroxyl channel in defining selected physicochemical peculiarities exhibited by hydroxyapatite
By: Uskokovic, Vuk
RSC ADVANCES Volume: 5 Issue: 46 Pages: 36614-36633 Published: 2015
11. Synthesis and characterization of cobalt-substituted hydroxyapatite powders
By: Kramer, Erica; Itzkowitz, Emily; Wei, Mei
CERAMICS INTERNATIONAL Volume: 40 Issue: 8 Pages: 13471-13480 Part: B Published: SEP 2014
12. Dorozhkin SV. Nano-dimensional calcium orthophosphates: Recent developments and future applications. In: Calcium phosphate: Structure, synthesis, properties, and applications. ; 2014. p 121-206. (поглавље у књизи, Scopus)
13. Cobalt-doped nanohydroxyapatite: synthesis, characterization, antimicrobial and hemolytic studies
By: Tank, Kashmira P.; Chudasama, Kiran S.; Thaker, Vrinda S.; et al.
JOURNAL OF NANOPARTICLE RESEARCH Volume: 15 Issue: 5 Article Number: 1644 Published: MAY 2013
14. Nanoparticles of cobalt-substituted hydroxyapatite in regeneration of mandibular osteoporotic bones
By: Ignjatovic, Nenad; Ajdukovic, Zorica; Savic, Vojin; et al.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE Volume: 24 Issue: 2 Pages: 343-354 Published: FEB 2013
15. Lee D, Ahn G, Kumta PN. Nano-sized calcium phosphate (CaP) carriers for non-viral Gene/Drug delivery. In: Nanomaterials in drug delivery, imaging, and tissue engineering. ; 2013. p 203-236. (поглавље у књизи, Scopus)
16. Dorozhkin SV. Nanodimensional and nanocrystalline hydroxyapatite and other calcium orthophosphates. In: Hydroxyapatite: Synthesis, properties and applications. ; 2013. p 1-90. (поглавље у књизи, Scopus)
17. Nano-sized calcium phosphate (CaP) carriers for non-viral gene delivery
By: Lee, Donghyun; Upadhye, Kalpesh; Kumta, Prashant N.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 177 Issue: 3 Pages: 289-302 Published: FEB 25 2012
18. Hribar G, Žnidaršič A, Maver U. Calcium phosphate as a biomaterial and its use in biomedical applications. In: Phosphates: Sources, properties and applications. ; 2012. p 43-81. (поглавље у књизи, Scopus)
19. Dorozhkin SV. Nano-dimensional calcium orthophosphates: Recent developments and future applications. In: Calcium phosphate: Structure, synthesis, properties, and applications. ; 2012. p 121-206. (поглавље у књизи, Scopus)
20. Dorozhkin SV. Biological and medical significance of nanodimensional and nanocrystalline calcium orthophosphates. In: Biomedical materials and diagnostic devices. ; 2012. p 19-99. (поглавље у књизи, Scopus)
21. Nanosized hydroxyapatite and other calcium phosphates: Chemistry of formation and application as drug and gene delivery agents
By: Uskokovic, Vuk; Uskokovic, Dragan P.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS Volume: 96B Issue: 1 Pages: 152-191 Published: JAN 2011
22. Dense fine-grained biphasic calcium phosphate (BCP) bioceramics designed by two-step sintering
By: Lukic, M.; Stojanovic, Z.; Skapin, S. D.; et al.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 31 Issue: 1-2 Pages: 19-27 Published: JAN-FEB 2011

Аутоцитати

23. Synthetical bone-like and biological hydroxyapatites: a comparative study of crystal structure and morphology
By: Markovic, Smilja; Veselinovic, Ljiljana; Lukic, Miodrag J.; et al.
BIOMEDICAL MATERIALS Volume: 6 Issue: 4 Article Number: 045005 Published: AUG 2011

3. Title: Synthetical bone-like and biological hydroxyapatites: a comparative study of crystal structure and morphology
Author(s): Markovic, Smilja; Veselinovic, Ljiljana; Lukic, Miodrag J.; et al.
Source: Biomedical Materials Volume: 6 Issue: 4 Published: AUG 2011
DOI: 10.1088/1748-6041/6/4/045005

1. Adsorption of nucleotides on biomimetic apatite: The case of adenosine 5 ' monophosphate (AMP)
   By: Hammami, K.; El Feki, H.; Marsan, O.; et al.
   APPLIED SURFACE SCIENCE Volume: 353 Pages: 165-172 Published: OCT 30 2015
2. Temperature-related changes of bioapatite based on hypermineralized dolphin's bulla
   By: Li, Zhen; Wu, Shipeng; Ye, Chenglong
   Conference: 11th International GeoRaman Conference Location: St Louis, MI Date: JUN 15-19, 2014
   JOURNAL OF RAMAN SPECTROSCOPY Volume: 46 Issue: 10 Special Issue: SI Pages: 964-968 Published: OCT 2015
3. Surface properties of carbonated and non-carbonated hydroxyapatites obtained after bone calcination at different temperatures
   By: Gamelas, J. A. F.; Martins, A. G.
   COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 478 Pages: 62-70 Published: AUG 5 2015
4. The role of hydroxyl channel in defining selected physicochemical peculiarities exhibited by hydroxyapatite
   By: Uskokovic, Vuk
   RSC ADVANCES Volume: 5 Issue: 46 Pages: 36614-36633 Published: 2015
5. Investigating an organ-targeting platform based on hydroxyapatite nanoparticles using a novel in situ method of radioactive (125)Iodine labeling
   By: Ignjatovic, Nenad; Djuric, Sanja Vranjes; Mitic, Zarko; et al.
   MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 43 Pages: 439-446 Published: OCT 1 2014
6. Benign Odontogenic Tumors Versus Histochemically Related Tissues: Preliminary Results from Mid-Infrared and Solid-State Nuclear Magnetic Resonance Spectroscopy
   By: Kolmas, Joanna; Przadka, Rafal
   APPLIED SPECTROSCOPY Volume: 68 Issue: 6 Pages: 663-671 Published: JUN 2014
7. Simultaneous bactericidal and osteogenic effect of nanoparticulate calcium phosphate powders loaded with clindamycin on osteoblasts infected with Staphylococcus aureus
   By: Uskokovic, Vuk; Desai, Tejal A.
   MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 37 Pages: 210-222 Published: APR 1 2014
8. Biomimetic nanocrystalline apatite coatings synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications
   By: Visan, A.; Grossin, D.; Stefan, N.; et al.
   MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 181 Pages: 56-63 Published: FEB 2014
9. Physicochemical Characteristics of Bone Substitutes Used in Oral Surgery in Comparison to Autogenous Bone
   By: Berberi, Antoine; Samarani, Antoine; Nader, Nabih; et al.
   BIOMED RESEARCH INTERNATIONAL Article Number: 320790 Published: 2014
10. Crystallinity and compositional changes in carbonated apatites: Evidence from P-31 solid-state NMR, Raman, and AFM analysis
    By: McElderry, John-David P.; Zhu, Peizhi; Mroue, Kamal H.; et al.
    JOURNAL OF SOLID STATE CHEMISTRY Volume: 206 Pages: 192-198 Published: OCT 2013
11. Osteogenic and antimicrobial nanoparticulate calcium phosphate and poly-(D,L-lactide-co-glycolide) powders for the treatment of osteomyelitis
    By: Uskokovic, Vuk; Hoover, Charles; Vukomanovic, Marija; et al.
    MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 33 Issue: 6 Pages: 3362-3373 Published: AUG 1 2013
12. Crystallization-controlled pore retention in calcium-phosphate glassceramics from powder sintering of CaO-P2O5-B2O3-Al2O3-TiO2-ZrO2 glass
    By: Buchilin, N. V.; Stroganova, E. E.; Mikhailenko, N. Yu.; et al.
    JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 373 Pages: 42-50 Published: AUG 1 2013

13. Phase composition control of calcium phosphate nanoparticles for tunable drug delivery kinetics and treatment of osteomyelitis. I. Preparation and drug release
By: Uskokovic, Vuk; Desai, Tejal A.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A Volume: 101 Issue: 5 Pages: 1416-1426 Published: MAY 2013
14. Novel chelate-setting calcium-phosphate cements fabricated with wet-synthesized hydroxyapatite powder
By: Konishi, Toshiisa; Horiguchi, Yukiko; Mizumoto, Minori; et al.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE Volume: 24 Issue: 3 Pages: 611-621 Published: MAR 2013
15. Ultrafast synthesis and characterization of carbonated hydroxyapatite nanopowders via sonochemistry-assisted microwave process
By: Zou, Zhaoyong; Lin, Kaili; Chen, Lei; et al.
ULTRASONICS SONOCHEMISTRY Volume: 19 Issue: 6 Pages: 1174-1179 Published: NOV 2012
16. Characterization of intermediate stages in the precipitation of hydroxyapatite at 37 degrees C
By: Castro, Filipa; Ferreira, Antonio; Rocha, Fernando; et al.
CHEMICAL ENGINEERING SCIENCE Volume: 77 Pages: 150-156 Published: JUL 30 2012
17. Synthesis, characterization and in vitro studies of zinc and carbonate co-substituted nano-hydroxyapatite for biomedical applications
By: Kumar, G. Suresh; Thamizhavel, A.; Yokogawa, Y.; et al.
MATERIALS CHEMISTRY AND PHYSICS Volume: 134 Issue: 2-3 Pages: 1127-1135 Published: JUN 15 2012

Аутоцитати

18. Hydrothermally processed 1D hydroxyapatite: Mechanism of formation and biocompatibility studies
By: Stojanovic, Zoran S.; Ignjatovic, Nenad; Wu, Victoria; et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 68 Pages: 746-757 Published: NOV 1 2016

4. Title: Controlled mechanochemically assisted synthesis of ZnO nanopowders in the presence of oxalic acid

Author(s): Stankovic, A; Veselinovic, L; Skapin, SD; et al.
Source: Journal of Materials Science Volume: 46 Issue: 11 Pages: 3716-3724 Published: 2011
DOI: 10.1007/s10853-011-5273-6

1. Characterization of mechanothermally processed nanostructured ZnO
By: Karimi, Saeed; Ataie, Abolghasem
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS Volume: 23 Issue: 5 Pages: 588-594 Published: MAY 2016
2. ZnO as an efficient nucleating agent and morphology template for rapid, facile and scalable synthesis of MOF-46 and ZnO@MOF-46 with selective sensing properties and enhanced photocatalytic ability
By: Rad, Maryam; Dehghanpour, Saeed
RSC ADVANCES Volume: 6 Issue: 66 Pages: 61784-61793 Published: 2016
3. Solvent free synthesis of ZnO nanostructures and evaluation of their capability for water treatment
By: Tadjarodi, Azadeh; Imani, Mina; Izadi, Mahboubeh; et al.
MATERIALS RESEARCH BULLETIN Volume: 70 Pages: 468-477 Published: OCT 2015
4. Synthesis of ZnO nanoparticles and studying its influence on the antimicrobial, anticorrosion and mechanical behavior of polyurethane composite for surface coating
By: El Saeed, Ashraf M.; Abd El-Fattah, M.; Azzam, Ahmed M.
DYES AND PIGMENTS Volume: 121 Pages: 282-289 Published: OCT 2015
5. Mechanochemically assisted solid state synthesis, characterization, and catalytic properties of MgWO4
By: Gancheva, Maria; Naydenov, Anton; Iordanova, Reni; et al.
JOURNAL OF MATERIALS SCIENCE Volume: 50 Issue: 9 Pages: 3447-3456 Published: MAY 2015

6. Zinc Oxide-From Synthesis to Application: A Review
By: Kolodziejczak-Radzimska, Agnieszka; Jesionowski, Teofil
MATERIALS Volume: 7 Issue: 4 Pages: 2833-2881 Published: APR 2014
7. Optical properties correlated with morphology and structure of TEAH modified ZnO nanoparticles via precipitation method
By: Popa, M.; Mesaros, A.; Mereu, R. A.; et al.
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 574 Pages: 255-259 Published: OCT 15 2013
8. Synthesis and characterization of the special ZnO nanostructure by mechanochemical process
By: Tadjarodi, A.; Izadi, M.; Imani, M.
MATERIALS LETTERS Volume: 92 Pages: 108-110 Published: FEB 1 2013
9. The effect of process parameters on the size of ZnO nanoparticles synthesized via the sol-gel technique
By: Ba-Abbad, Muneer M.; Kadhum, Abdul Amir H.; Mohamad, Abu Bakar; et al.
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 550 Pages: 63-70 Published: FEB 15 2013
10. Optimization of process parameters using D-optimal design for synthesis of ZnO nanoparticles via sol-gel technique
By: Ba-Abbad, Muneer M.; Kadhum, Abdul Amir H.; Mohamad, Abu Bakar; et al.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: 19 Issue: 1 Pages: 99-105 Published: JAN 25 2013
11. Physical fabrication of colloidal ZnO nanoparticles combining wet-grinding and laser fragmentation
By: Wagener, Philipp; Lau, Marcus; Breitung-Faes, Sandra; et al.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 108 Issue: 4 Pages: 793-799 Published: SEP 2012

5. Title: Electrical properties of barium titanate stannate functionally graded materials
Author(s): Markovic, S; Jovalekic, C; Veselinovic, L; et al.
Source: Journal of the European Ceramic Society Volume: 30 Issue: 6 Pages: 1427-1435 Published: 2010
DOI: 10.1016/j.jeurceramsoc.2009.10.020

1. Functionally Graded Ceramic Structures by Direct Thermal Inkjet Printing
By: Gingter, P.; Waetjen, A. M.; Kramer, M.; et al.
JOURNAL OF CERAMIC SCIENCE AND TECHNOLOGY Volume: 6 Issue: 2 Pages: 119-124 Published: JUN 2015
2. Designing, fabrication and characterization of nanostructured functionally graded HAp/BCP ceramics
By: Markovic, Smilja; Lukic, Miodrag J.; Skapin, Sreco Davor; et al.
CERAMICS INTERNATIONAL Volume: 41 Issue: 2 Pages: 2654-2667 Part: B Published: MAR 2015
3. Enhanced high-temperature electrical response of hydroxyapatite upon grain size refinement
By: Lukic, Miodrag J.; Jovalekic, Cedomir; Markovic, Smilja; et al.
MATERIALS RESEARCH BULLETIN Volume: 61 Pages: 534-538 Published: JAN 2015
4. SINTERING EFFECTS ON MICROSTRUCTURE AND ELECTRICAL PROPERTIES OF CaCu3Ti4O12 CERAMICS
By: Markovic, S.; Lukic, M.; Jovalekic, C.; et al.
PROCESSING AND PROPERTIES OF ADVANCED CERAMICS AND COMPOSITES V Book Series: Ceramic Transactions Volume: 240 Pages: 337-348 Published: 2013
5. Dielectric dispersion and impedance spectroscopy of B3+-doped Ba(Ti0.9Sn0.1)O-3 ceramics
By: Tawichai, Nattaya; Sutjarittangtham, Krit; Tunkasiri, Tawee; et al.
CERAMICS INTERNATIONAL Volume: 39 Supplement: 1 Pages: S145-S148 Published: 2013
6. Structural and dielectric properties of Ba-0.8 La-0.133 Ti-0.90 Sn-0.1 O-3
By: Rhouma, F. I. H.; Dhahri, A.; Dhahri, J.; et al.
SOLID STATE COMMUNICATIONS Volume: 152 Issue: 20 Pages: 1874-1879 Published: OCT 2012
7. Effect of Process Parameter on Barium Titanate Stannate (BTS) Materials Sintered at Low Sintering
By: Shukla, Alok; Bajpai, P. K.

XVI NATIONAL SEMINAR ON FERROELECTRICS AND DIELECTRICS (NSFD-XVI) Book Series: AIP Conference Proceedings Volume: 1372 Published: 2011

8. Marković S, Uskoković D. Sintering of defect-free BaTi 0.975Sn0.025O3/BaTi0.85Sn0.15O3 functionally graded materials. In: Advances and applications in electroceramics. ; 2011. p 97-106. (поглавље у књизи, Scopus)

9. BARIUM TITANATE STANNATE FUNCTIONALLY GRADED MATERIALS: CHOOSING OF THE Ti/Sn CONCENTRATION GRADIENT AND THE INFLUENCE OF THE GRADIENT ON ELECTRICAL PROPERTIES
By: Markovic, S.; Uskokovic, D.
ADVANCES IN ELECTROCERAMIC MATERIALS II Book Series: Ceramic Transactions Volume: 221 Pages: 3-17 Published: 2010

Аутоцитати

10. Title: The effect of Sn for Ti substitution on the average and local crystal structure of BaTi1-xSnxO3 (0 <= x <= 0.20)
Author(s): Veselinovic, Ljiljana; Mitric, Miodrag; Mancic, Lidija; et al.
Source: Journal of Applied Crystallography Volume: 47 Pages: 999-1007 Published: JUN 2014
DOI: 10.1107/S1600576714007584

6. Title: ZnO micro and nanocrystals with enhanced visible light absorption
Author(s): Stankovic, Ana; Stojanovic, Zoran; Veselinovic, Ljiljana; et al.
Source: Materials Science and Engineering B-Advanced Functional Solid-State Materials Volume: 177 Issue: 13 Pages: 1038-1045 Published: AUG 1 2012
Times Cited: 8
DOI: 10.1016/j.mseb.2012.05.013

1. Duo S, Li Y, Liu Z, Zhong R, Liu T. Novel hybrid self-assembly of an ultralarge ZnO macroflower and defect intensity-induced photocurrent and photocatalytic properties by facile hydrothermal synthesis using CO(NH2)2–N2H4 as alkali sources. Mater Sci Semicond Process 2016;56:196-212. Scopus

2. Tartaric acid assisted hydrothermal synthesis of different flower-like ZnO hierarchical architectures with tunable optical and oxygen vacancy-induced photocatalytic properties
By: Liu, Tingzhi; Li, Yangyang; Zhang, Hao; et al.
APPLIED SURFACE SCIENCE Volume: 357 Pages: 516-529 Part: A Published: DEC 1 2015

3. Structural investigation of mechanically activated ZnO powder
By: Peles, A.; Pavlovic, V. P.; Filipovic, S.; et al.
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 648 Pages: 971-979 Published: NOV 5 2015

4. Solvent free synthesis of ZnO nanostructures and evaluation of their capability for water treatment
By: Tadjarodi, Azadeh; Imani, Mina; Izadi, Mahboubeh; et al.
MATERIALS RESEARCH BULLETIN Volume: 70 Pages: 468-477 Published: OCT 2015

5. Synthesis, growth and characterization of ZnO microtubes using a traveling-wave mode microwave system
By: Al-Naser, Qusay A. H.; Zhou, Jian; Wang, Han; et al.
MATERIALS RESEARCH BULLETIN Volume: 66 Pages: 65-70 Published: JUN 2015

6. Controllable Synthesis of Hierarchical Structure ZnO Photocatalysts with Different Morphologies via Sol-Gel Assisted Hydrothermal Method
By: Wu Guang-Li; Zhao Xiao-Hua; Li Meng; et al.
CHINESE JOURNAL OF INORGANIC CHEMISTRY Volume: 31 Issue: 1 Pages: 61-68 Published: JAN 10 2015

7. The Influence of Experimental Conditions on the Formation of ZnO Fibers by Electrospinning
By: Ristic, Mira; Marcius, Marijan; Petrovic, Zeljka; et al.
CROATICA CHEMICA ACTA Volume: 87 Issue: 4 Pages: 315-320 Published: DEC 2014

8. Photoluminescence emission at room temperature in zinc oxide nano-columns
By: Rocha, L. S. R.; Deus, R. C.; Foschini, C. R.; et al.
MATERIALS RESEARCH BULLETIN Volume: 50 Pages: 12-17 Published: FEB 2014

9. (Ratios: 5, 10, 50, 100, and 200) Polyaniline-TiO2 composites under visible- or UV-light irradiation for decomposition of organic vapors
By: Jo, Wan-Kuen; Kang, Hyun-Jung
MATERIALS CHEMISTRY AND PHYSICS Volume: 143 Issue: 1 Pages: 247-255 Published: DEC 16 2013

7. Title: Synthesis of ZnO and ZrO2 powders by mechanochemical processing
Author(s): Celikovic, A; Kandic, L; Zdujic, M; et al.
Source: Research Trends in Contemporary Materials Science Volume: 555 Pages: 279-284 Published: 2007

1. Rives V. From solid-state chemistry to soft chemistry routes. In: Perovskites and related mixed oxides: Concepts and applications. ; 2015. p 1-24. (поглавље у књизи, Scopus)
2. Pr-doped 3Y-TZP nanopowders for colored dental restorations: Mechanochemical processing, chromaticity and cytotoxicity
By: Shi, Lianshui; Chen, Weifan; Zhou, Xuezhen; et al.
CERAMICS INTERNATIONAL Volume: 40 Issue: 6 Pages: 8569-8574 Published: JUL 2014
3. Mechanochemical synthesis of zirconia nanoparticles: Formation mechanism and phase transformation
By: Isfahani, Taghi Dallali; Javadpour, Jafar; Khavandi, Alireza; et al.
INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS Volume: 31 Pages: 21-27 Published: MAR 2012
4. Mechanochemistry: opportunities for new and cleaner synthesis
By: James, Stuart L.; Adams, Christopher J.; Bolm, Carsten; et al.
CHEMICAL SOCIETY REVIEWS Volume: 41 Issue: 1 Pages: 413-447 Published: 2012
5. Uskoković, D. Controlled designing of fine particles at molecular and nano levels. Materials science and technology conference and exhibition, MS and T'07 - "exploring structure, processing, and applications across multiple materials systems"; 2007. 691 p. Scopus

Аутоцитати

6. Controlled mechanochemically assisted synthesis of ZnO nanopowders in the presence of oxalic acid
By: Stankovic, A.; Veselinovic, Lj.; Skapin, S. D.; et al.
JOURNAL OF MATERIALS SCIENCE Volume: 46 Issue: 11 Pages: 3716-3724 Published: JUN 2011

8. Title: Peculiarities in sintering behavior of Ca-deficient hydroxyapatite nanopowders
Author(s): Lukic, M. J.; Veselinovic, Lj.; Stojanovic, Z.; et al.
Source: Materials Letters Volume: 68 Pages: 331-335 Published: FEB 1 2012
Times Cited: 4
DOI: 10.1016/j.matlet.2011.10.085

1. Synthesis and characterization of Ag-containing calcium phosphates with various Ca/P ratios
By: Gokcekaya, Ozkan; Ueda, Kyosuke; Narushima, Takayuki; et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 53 Pages: 111-119 Published: AUG 1 2015

2. Designing, fabrication and characterization of nanostructured functionally graded HAp/BCP ceramics
By: Markovic, Smilja; Lukic, Miodrag J.; Skapin, Sreco Davor; et al.
CERAMICS INTERNATIONAL Volume: 41 Issue: 2 Pages: 2654-2667 Part: B Published: MAR 2015

3. Phase composition control of calcium phosphate nanoparticles for tunable drug delivery kinetics and treatment of osteomyelitis. I. Preparation and drug release
By: Uskokovic, Vuk; Desai, Tejal A.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A Volume: 101 Issue: 5 Pages: 1416-1426 Published: MAY 2013

4. Sintering of calcium phosphate bioceramics
By: Champion, E.
ACTA BIOMATERIALIA Volume: 9 Issue: 4 Pages: 5855-5875 Published: APR 2013

5. Processing route to fully dense nanostructured HAp bioceramics: From powder synthesis to sintering, Lukić, M.J., Škapin, S.D., Marković, S., Uskoković, D. Journal of the American Ceramic Society, 95 (11), pp. 3394-3402, 2012

9. Title: Hydroxyapatite nanopowders prepared in the presence of zirconium ions
Author(s): Lukic, M. J.; Veselinovic, Lj.; Stevanovic, M.; et al.
Source: Materials Letters Volume: 122 Pages: 296-300 Published: MAY 1 2014
Times Cited: 2
DOI: 10.1016/j.matlet.2014.02.072

1. Alternating current electric field modified synthesis of hydroxyapatite bioceramics, Janićijević, Ž., Lukić, M.J., Veselinović, L. Materials and Design, 109, pp. 511-519. Scopus

2. Investigation on Mechanical Behavior and Bioactivity of Fluorohydroxyapatite Toughened by Zirconium-Cerium ions Additions, Sanyal, V., Kesavamoorthi, R., Ramachandra Raja, C. Materials Today: Proceedings, 3 (6), pp. 1923-1932. Scopus

3. Zr/Mg, Zr/Sr and Zr/Zn co-doped hydroxyapatites: Synthesis and characterization
By: Kaygili, Omer; Keser, Serhat
CERAMICS INTERNATIONAL Volume: 42 Issue: 7 Pages: 9270-9273 Published: MAY 15 2016

4. Structural and antibacterial activity of hydroxyapatite and fluorohydroxyapatite co-substituted with zirconium-cerium ions
By: Sanyal, Vijayalakshmi; Raja, C. Ramachandra
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 2 Article Number: 132 Published: FEB 2016

10. Title: The effect of Sn for Ti substitution on the average and local crystal structure of BaTi1-xSnxO3 (0 <= x <= 0.20)
Author(s): Veselinovic, Ljiljana; Mitric, Miodrag; Mancic, Lidija; et al.
Source: Journal of Applied Crystallography Volume: 47 Pages: 999-1007 Published: JUN 2014
DOI: 10.1107/S1600576714007584

1. Dielectric characteristics of B-site-modified hexagonal-barium titanate
By: Li, Fuyun; Zeng, Min; Yu, Hongtao; et al.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 27 Issue: 3 Pages: 2836-2840 Published: MAR 2016

2. Strong Piezoelectricity in (1-x)(K0.4Na0.6)(Nb0.9Sb0.04)O-3-xBi(0.5)K(0.5)Zr(1-y)Sn(y)O(3) Lead-Free Binary System: Identification and Role of Multiphase Coexistence
By: Zheng, Ting; Wu, Jiagang; Xiao, Dingquan; et al.
ACS APPLIED MATERIALS & INTERFACES Volume: 7 Issue: 10 Pages: 5927-5937 Published: MAR 18 2015

3. Structural and electric properties of BaSn0.15Ti0.85O3 films on ITO/glass substrate by RF sputtering from powder target
By: Zhu, G. S.; Yan, D. L.; Xu, H. R.; et al.
MATERIALS LETTERS Volume: 140 Pages: 155-157 Published: FEB 1 2015

11. Title: XRD analysis of calcium phosphate and biocomposite calcium phosphate/bioresorbable polymer
Author(s): Kandic, L; Mitric, M; Ignjatovic, N; et al.
Source: Recent Developments in Advanced Materials and Processes Volume: 518 Pages: 507-512 Published: 2006
Times Cited: 3

1. Cobalt oxide nanoparticles embedded in flexible carbon nanofibers: attractive material for supercapacitor electrodes and CO2 adsorption
By: Iqbal, Nousheen; Wang, Xianfeng; Ge, Jianlong; et al.
RSC ADVANCES Volume: 6 Issue: 57 Pages: 52171-52179 Published: 2016
2. Biodegradable composites based on nanocrystalline calcium phosphate and bioresorbable polymers
By: Ignjatovic, N.; Uskokovic, D.
ADVANCES IN APPLIED CERAMICS Volume: 107 Issue: 3 Pages: 142-147 Published: MAY 2008

Аутоцитати

3. Hydrothermal Synthesis of Nanosized Pure and Cobalt-Exchanged Hydroxyapatite
By: Stojanovic, Zoran; Veselinovic, Ljiljana; Markovic, Smilja; et al.
MATERIALS AND MANUFACTURING PROCESSES Volume: 24 Issue: 10-11 Pages: 1096-1103 Published: 2009

12. Title: Low temperature aerosol synthesis of YAG : Ce3+ nanostructures: Comparative study of the XRPD micro structural parameters
Author(s): Kandic, L; Marinkovic, K; Mancic, L; et al.
Source: Research Trends in Contemporary Materials Science Volume: 555 Pages: 395-400 Published: 2007
Times Cited: 2

1. Aerosol route in Processing of Nanostructured Functional Materials
By: Milosevic, O.; Mancic, L.; Rabanal, M. E.; et al.
KONA POWDER AND PARTICLE JOURNAL Issue: 27 Pages: 84-106 Published: 2009

Аутоцитати

2. Aerosol synthesis and characterization of nanostructured particles of Y3Al5O12 : Ce3+ and Y2O3 : Eu3+
By: Marinkovic, Katarina R.; Veselinovic, Ljiljana M.; Gomez, Luz S.; et al.
HEMIJSKA INDUSTRIJA Volume: 61 Issue: 3 Pages: 101-108 Published: MAY-JUN 2007

13. Title: Hydrothermally processed 1D hydroxyapatite: Mechanism of formation and biocompatibility studies

Author(s): Stojanovic, Zoran S.; Ignjatovic, Nenad; Wu, Victoria; et al.
Source: Materials Science and Engineering C-Materials For Biological Applications Volume: 68
Pages: 746-757 Published: NOV 1 2016
DOI: 10.1016/j.msec.2016.06.047

1. Effect of Spray Distance on Microstructure and Tribological Performance of Suspension Plasma-Sprayed Hydroxyapatite–Titania Composite Coatings, Zhang, C., Xu, H., Geng, X., (...), Xiao, J., Zhu, P. Journal of Thermal Spray Technology 25 (7), pp. 1255-1263

Универзитет у Београду
ФАКУЛТЕТ ЗА ФИЗИЧКУ ХЕМИЈУ
www.ffh.bg.ac.rs
Студентски трг 12-16, п. пр. 47, 11158 Београд 118, ПАК 105305 // тел +381 11 2635-545, тел/факс +381 11 2187-133, ffh@ffh.bg.ac.rs

Број :1133
Београд, 20. 10. 2016. године

На основу члана 101 Статута Факултета за физичку хемију, по захтеву мр техничких наука Љиљане Веселиновић издаје се следећа

П О Т В Р Д А

Овим се потврђује да је мр техничких наука **Љиљана (Миладин) Веселиновић** из Смедерева, Република Србија, дана **27. септембра 2016.** године одбранила докторску дисертацију под насловом:

"Кристална структура и електричне карактеристике $BaTi_{1-x}Sn_xO_3$ и $CaCu_3Ti_{4-x}Ru_xO_{12}$ перовскитних материјала"

пред Комисијом Универзитета у Београду-Факултета за физичку хемију у саставу: др Никола Цвјетићанин, редовни професор, Факултет за физичку хемију, др Смиља Марковић, виши научни сарадник, ИТН САНУ, др Љиљана Дамјановић, ванредни професор, Факултет за физичку хемију, др Миодраг Митрић, научни саветник, ИНН "Винча", и тиме испунила услове за промоцију у **доктора физичкохемијских наука**.

Потврда се издаје на лични захтев, а служи ради регулисања права из радног односа, важи до промоције, односно до добијања докторске дипломе.

Д е к а н
Факултета за физичку хемију
/ Проф. др Гордана Ћирић-Марјановић /